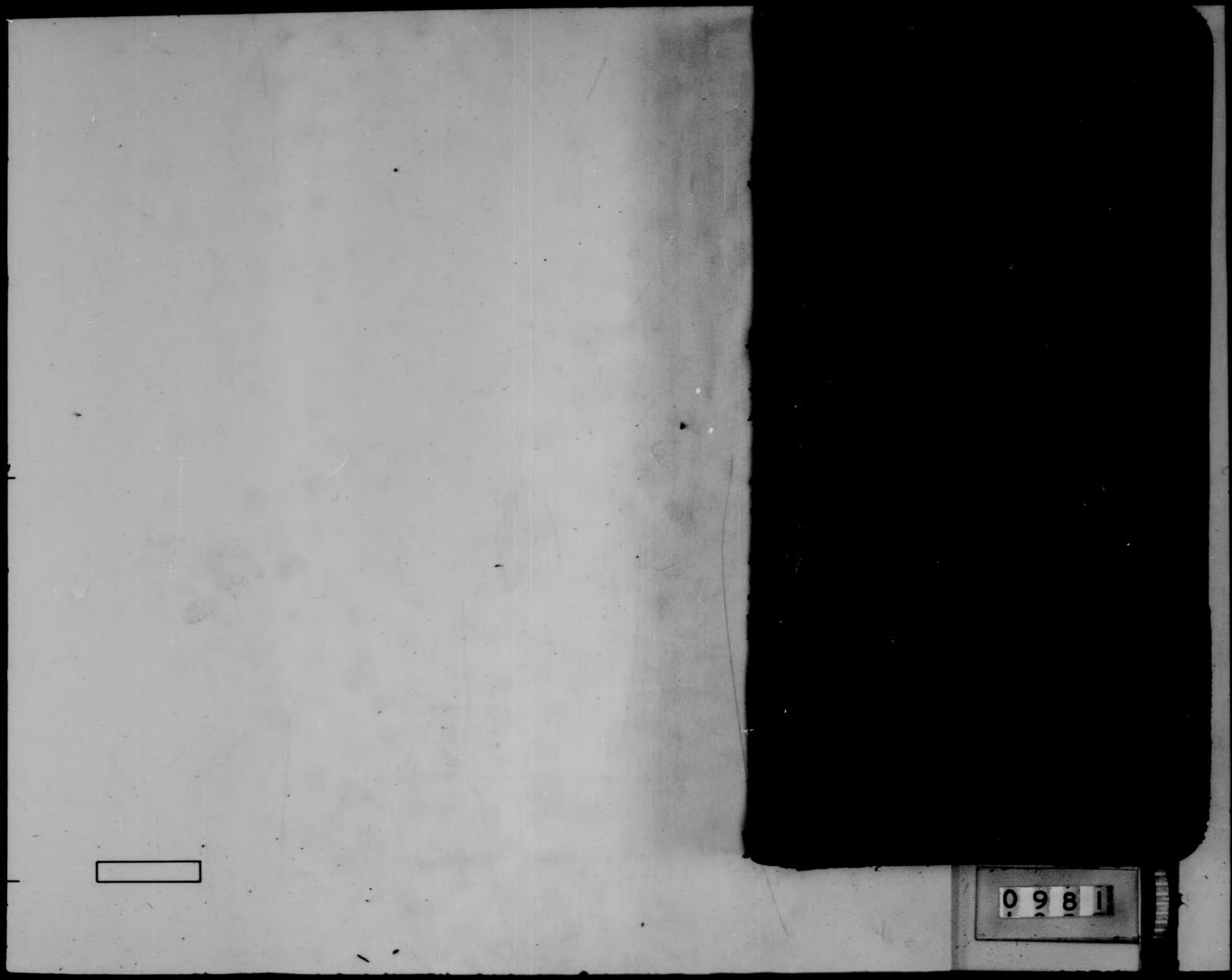
0981

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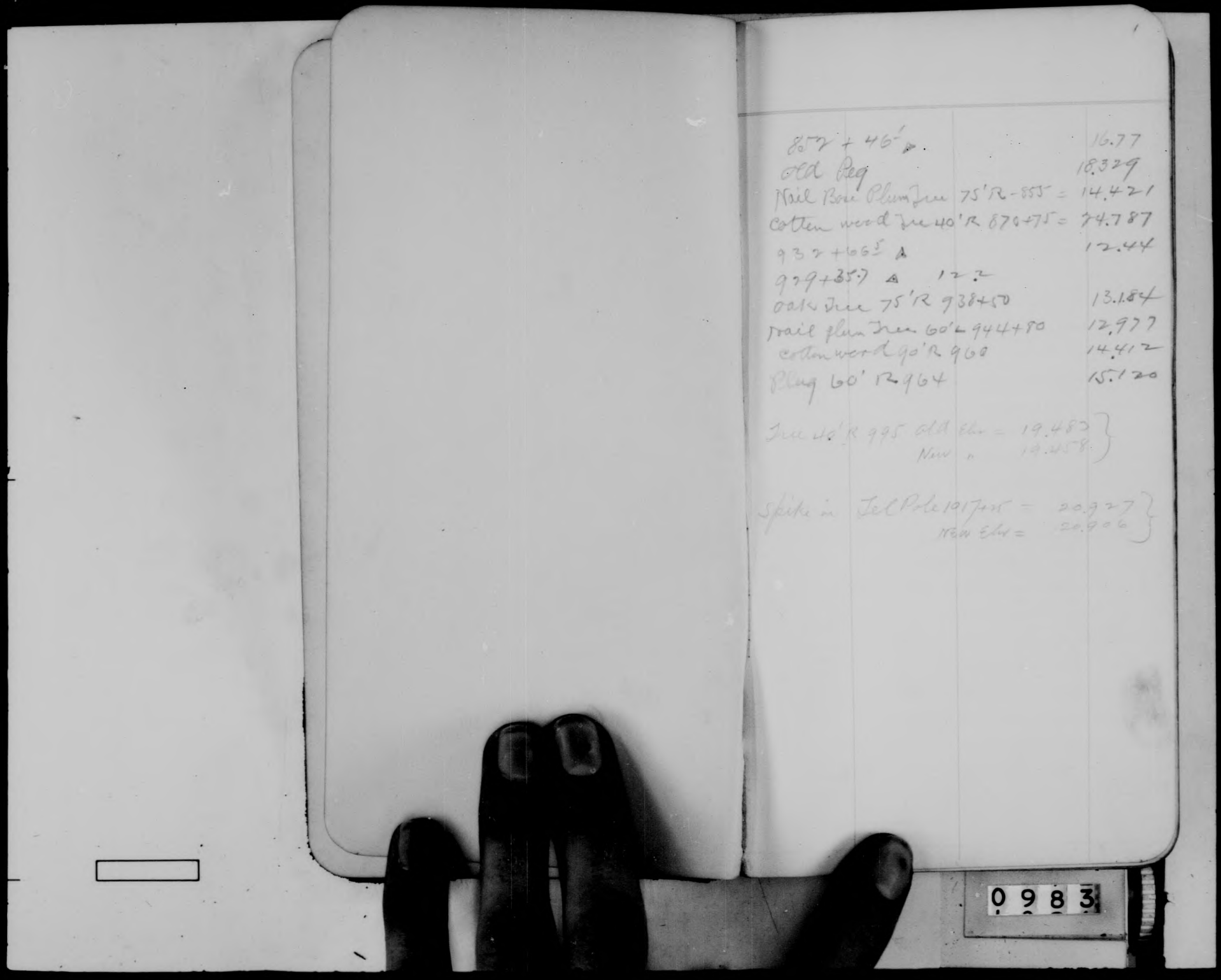
857 + 46' Δ. 16.77
old Beg 18.329
Nail Box Plum Tree 75'R-855 = 14.421
Cotton wood Tree 40'R 870+75 = 14.787
932+66.5 Δ 12.44
979+35.7 Δ 12.2
Oak Tree 75'R 938+50 13.184
Nail plum Tree 60'L 944+80 12.977
Cotton wood 90'R 960 14.412
Plug 60' R 964 15.120
Tree 45'R 995 old Elev = 19.487
New " 19.458
Spike in Tel Pole 191 Feet = 20.927
New Elev = 20.906
0983

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703 - 712	35 - 36	"E" Line Continued As Prelim Line
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Cross section of River Levee from Beach's To north arm of Dist. #144. Page 71

Cross sections at Sta. 506 and 508 } " 72.

Levels 511 to 518

Elevations of Levees back of Wm Johnsons 73.

0984

						21.913		
						496		
						26.873		
						18.79		
						8.08		
	13.420	27.878		14.458				
	5.860	27.773	5.965	21.913				
	13.380	27.393	13.760	14.013				
	4528	27.181	4740	22.653			18.79	
428+50	E.C.		8.963	18.218	on Kut	check		
428			8.4	18.8				
							2.393	
	4960	26.873		21.913				
			8.976	18.797				

0985

"E" Line Location

May 24th 1905

Sta	+S	H.I.	-S	Rod	Elev	
B.M.26	0.572	18.280			14.458	on Plug 20' R 457+65 - 2'S of Fence
TP	3.778	16.046	6.012		12.268	
462				4.1	11.9	on Hat
+44				3.7	12.3	Fence
+50				4.1	11.9	Garden -
463				4.4	11.6	Nellie I Baumgartel
+50				4.8	11.2	Corn & Tomatoes
464				4.9	11.1	
+50				4.9	11.1	
465				5.5	10.5	
+24				5.0	11.0	
+50				5.1	10.9	
466				6.5	9.5	Florence M Baumgartel
+50				6.8	9.2	
467				7.7	8.3	
TP	2.620	11.013	7.653		8.393	
+50				3.3	7.7	
468				3.4	7.6	Tilled Soil
+50				4.0	7.0	
469				4.6	6.4	
+01				4.6	6.4	Fence
+50				5.0	6.0	
470				5.1	5.9	
+50				5.3	5.7	Marsh Land

0986

"E" Line.

		11.013			
471				5.3	5.7
472	4473	10.504	4.982		6.031
+50				5.0	5.25
472				5.1	5.4
+50				5.2	5.3 Fence ×
+92				4.6	5.9
+94				5.048	5.456 on Hub Potatoes
473				5.1	5.4
B.M.#27				4.717	5.792 Old Elev = 6789 - 5.792 0.997 Dif
B.M.#28	4667	12.479	7.692		7.812 on Plug at base of Cedar Tree 50' R - 475+90
+50				6.8	5.7
474				6.4	6.1
+50				6.7	5.8
475	BC.			6.55	5.93 on Hub BC.
+30				6.1	6.4
+60				6.2	6.3
+90				6.2	6.3
476+20				5.1	7.4
+30				4.7	7.8
+37				6.2	6.1 Ditch
+35				5.1	7.4
+40				4.4	8.1 Fence ×
+50	CC.			5.12	7.36 on Hub CC Potatoes
477				5.3	7.2
+50				5.2	7.3
+87				4.7	7.8 Fence ×
478				5.3	7.2

Aug 15th 1905

0987

"E" Line.

		12.479				
478+50				5.7	6.8	Potatoes
479				6.0	6.5	
TP	4.090	10.609	5.960		6.519	Hub sta 479 - C.C.
+30				4.1	6.5	
+60				4.3	6.3	
+90				4.4	6.2	
480+20				4.5	6.1	
+50				4.89	5.72	on Hub EC.
481				5.8	4.9	
+50				6.4	4.2	
482				6.79	3.82	on Hub
+10				6.785	3.8 rd	Surface of Water in Lake
TP	6.995	13.572	4.082		6.527	
TP	5.615	15.037	4.100		9.422	
TP	6.190	17.605	3.622		11.415	
TP	10.022	22.330	5.297		17.308	on Peg 25' L MO

Preliminary "M" Line

Beginning at a point at end of Levee where "E" Line produced about from sta 482 intersects Levee about Center. Thence along and on South side and Parallel to "M" Line

		22.330				
0				1.5	20.8	
1				2.1	20.2	
30 "R"				14.0	8.3	30' R Toe
40' R				16.8	5.5	40' R Marsh
28' L				1.7	20.6	28' L

0988

"M" Line

		32.330				
53' L				11.7	10.6	53' L
68' L				14.8	7.5	68 "
81' L					5.8	81 "
85' L					3.8	85 " Water
2				4.8	17.5	
3				3.5	18.8	
T.P.	4.855	24.385	2.820		19.500	
4				5.7	18.7	
5				6.7	17.7	
6				8.2	16.2	O.K
31' R					5.5	31' R Toe
16' L				3.0	21.4	Edge of Levee O.K.
20' L				2.0	22.4	Top " "
33' L				3.2	21.2	Edge " "
69' L				14.1	10.3	Toe Levee
89' L					6.6	Bank
90' L					3.8	water
7				6.0	17.8	
8	B.M. 57' R 8+15 Elev 9.331 on Oak Tree			7.7	16.7	
9				8.8	15.6	
T.P.	2.961	24.760	7.730		16.799	
10				5.4	16.4	
11				8.5	16.3	
12				7.7	17.1	
37' R.				18.1	06.7	Toe slope
16' L				2.5	22.3	

0989

"M" Line Preliminary

		24.760				
25' L				3.0	21.8	
80' L					6.5	Ice slope
90' L					5.8	Bank
92' L					3.8	water
13				8.4	16.4	
14				8.6	16.2	
15				8.3	16.5	
16				7.5	17.3	
TR	7.947	25.194	7.513		17.247	
40' R					6.5	Ice
12' L				4.1	21.1	Top
17' L				2.1	23.1	"
80 L					7.6	Ice
94 L					6.0	Bank
96 L					3.8	water
17				6.7	18.5	
18				5.7	19.3	
19				8.2	17.0	
20				7.5	17.7	
21				9.4	16.8	
22				10.3	14.9	
24' R						
26' L				3.2	22.0	
24' L				4.1	21.1	
80 L					6.8	
L						
96 L					2.8	

0990

"M" Line -

		25.194				
23				10.6	14.6	
24	1500	18.799	7895		17.299	
10' R				4.1	17.7	Break in slope
28' R				15.2	3.6	Toe of slope
8' L				1.0	17.8	Shoulder
24' L				22.0	20.8	Top
40' L				2.4	15.4	shoulder
60' L				5.3	13.5	Break in slope
96' L				14.0	4.8	" " "
118' L				14.0	3.8 ±	to water surface
24				5.4	13.4	
24+40				7.3	11.5	Low place in Levee
55' R				14.0	4.8	Break in slope
80' R				19.32	− 0.52	water elev on Right
8' L				5.3	13.5	Top of Sewer
36' L				8.0	10.8	" " "
50' L				6.2	12.6	" " "
118' L					3.8	water
25				6.5	17.3	
26' R				14.0	4.8	Toe slope
85' R					− 0.5	water
25' L				3.5	15.3	
60' L				1.5	14.3	
70' L				10.5	8.3	
130' L					3.8	water
26				6.5	14.3	
27				7.3	11.5	

- Note - From Sta 22+20 to Sta 35+ Low Place in Levee

- M Line 26+ -

0991

M" Line.

		18.799			
28				7.0	11.3
T.P.	7.921	19.490	7.230		11.569
29				7.5	12.0
30				7.4	12.1
20' R				10.6	5.9
68' R				13.8	-0.3 edge of sandy lake
16' L				5.1	13.7 Top of Levee
55' L				6.0	13.5 " " "
120' L					3.8 water
T.P.			6.530		12.960 at sta 30
T.P.	2.998	19.792			16.794 Top of 9
				4.40	15.39 - H.W. Mark cut in Oak Tree by R. Moore at H.W. winter of 1903 + 1904
					Reclamation Dist 744
					Elevation = 15.7
					S.P. " = 15.4
B.M.1			10.562		7.231 on Oak Tree 55' R sta 8+15.
T.P.	5.685	18.645			12.960 at sta 30
31					13.7
64' R				4.9	-0.3
16' L					13.8 Top of Levee
44' L				4.8	14.1 " " "
120' L				3.9	3.8 water

Levee Grade = 21.4

0992

M. Line

		18.645				
32				4.5	14.1	
33				4.8	13.8	
34				5.3	13.3	
35				7.5	11.1	
B.M.#2	12.40	18.785	13.100		05.0-45	on Plug 35 R 35
24' R				13.1	05.6	
48' R				10.7	02.1	Toe Slope
64' R					-0.3	dry Bed of Lake
30' L				1.5	17.3	Top Levee
34' L				2.1	16.7	" "
104' L					3.8	water
36				5.5	13.3	
37				6.2	12.6	
38				7.4	11.4	
32' R				15.4	3.4	
56' R					-0.3	Bed of Lake
24' L					18.2	Top of Levee
36' L					18.0	" " "
50' L					14.2	
55' L					16.0	
104' L					3.8	water
39				9.6	10.4	
40				8.3	10.5	
41				9.7	9.1	
T.P.	5.70	19.900	7.055		11.730	
15' R				15.5	4.4	
28' R				18.0	1.9	Toe Slope

0993

"M" Line

		19.900				
30' L				3.6	16.3	Top Levee
50' L				1.6	18.3	" "
106' L					3.8	water
42				11.8	8.1	
43				13.5	7.4	
44				12.1	7.8	
45				14.1	5.8	
46				12.0	7.9	
28' R				16.8	3.1	Toe Slope
30' L				2.2	17.7	Top Levee
47' L				2.0	17.9	" "
105' L					3.8	water
47				13.2	6.3	
48				11.2	8.3	
48+93				5.7	14.2	
49				5.2	14.5	
50				10.2	9.3	
25' R				16.0	3.9	Toe Slope
30' L				0.4	19.5	Top of Levee
75' L					5.8	~~Top~~
76 L					3.8	Water
~~BM~~ 2	16.312	17.063	0.750		17.750	6' L Sta 50
51				11.2	11.4	
52				8.4	13.4	
53				6.6	15.4	
54				4.7	15.3	
55				7.9	14.1	

0994

"M" Line.

		22.063				
11' R				12.0	10.1	Toe Slope
35' R				17.1	4.3	Toe "
15' L				1.7	20.4	Top Levee
31' L				2.5	19.3	" "
76' L					5.3	
77' L					3.5	
56				8.8	13.3	
57				9.1	17.6	
58				8.5	13.3	
29' R				18.1	3.6	Toe Slope
30' L				3.0	20.1	Top Levee
29' L				1.5	20.6	" "
80' L					3.8	water
59				4.2	17.9	
35' R				18.3	3.3	Toe Slope
10' L				5.5	21.3	Top Levee
25' L				0.6	21.5	" "
79' L					3.8	water
BM "M" 13	12.763	22.581	12.448		9.6 18	on Plug 29' R Sta 59
60				5.2 8	17.30	
61				7.1	15.5	
62				9.7	12.9	
28' R				19.2	3.4	Toe Slope
17' L				2.6	20.0	Top of Levee
26' L				1.4	21.2	" "
83' L					5.0	Toe Slope
84 L					3.8	water

0995

			22.581			
63				8.5	14.1	
64				6.5	15.8	
64+69				7.2	15.4	on ground
65				6.7	15.9	
33' R				17.7	4.9	Toe Slope
11' L				3.6	20.0	Top of Levee
28' L				1.5	21.1	" " "
73' L					3.8	to water
66				6.1	15.5	
67				5.0	17.6	
67+64				0.45	16.13	on Survey Line
68				7.2	15.4	
27' R				15.2	7.4	on slope
45' R				19.7	3.9	Toe Slope
7' L				2.1	20.5	Top of Levee
18' L				1.2	21.6	" " "
27' L				0.4	20.2	" " "
75' L				0.0	3.8	water
69				5.4	17.2	
TP	7.576	24.039	6.118		16.463	
69+83				8.52	15.58	on Track
70				2.9	15.1	
38' R				18.7	5.3	Toe Slope
12' L				2.9	21.1	on Top of Levee
13' L				2.6	21.4	" " "
28' L				2.7	21.8	" " "
81' L					38	water

0996

"M" Line

15

		24.039				
71				5.9	15.1	
72				5.4	16.6	
73				9.9	15.1	
74				10.0	14.0	
32' R				19.6	4.2	Toe slope
15' L				4.3	19.7	Top of Levee
22' L				2.7	21.1	" " "
31' L				3.8	20.2	" " "
75' L					3.8	water
75				9.6	14.4	
76				12.5	11.5	
77				9.5	14.5	
78				10.9	13.1	
31' R				16.0	8.0	Toe slope
22' L				5.0	19.0	on Levee
38' L				3.3	20.7	" "
33' L				4.7	19.3	" "
70' L					7.0	Toe slope
86' L					5.8	on Bank
67 L					3.8	water
To M.H	12.920	22.199	14.760		9.279	on Plug 20' R 78
79				9.7	12.5	
80				7.6	14.6	
81				8.8	13.4	
25' R				16.8	5.4	Toe slope
17' L				4.6	19.6	Top Levee
24 L				1.0	21.4	" "

0997

"M" Line

		22.199				
33' L				2.3	19.9	Top of Levee
77' L					3.8	water.
82				9.4	12.8	
83				8.4	13.8	
84				4.9	17.3	
85				4.73	17.47	on Hut
27' R				1.7	4.8	Ice slope.
8' L				0.8	21.4	Top of Levee
24' L				1.5	20.7	" " "
72' L				[illegible]	3.5	water.
86				10.0	12.2	
87				7.8	14.4	
88				4.2	18.2	
89				5.7	16.3	
T.P.	4010	23.666	.543		19.656	
28' R				17.2	6.5	Ice Slope
11' L				2.3	21.4	Top of Levee
18' L				1.3	22.4	" " "
25' L				2.2	21.1	" " "
80' L					3.8	water.
90				6.6	17.1	
91				8.5	15.2	
92				7.6	16.1	
93				5.6	18.1	
94				5.2	18.5	
95				7.3	16.4	
96				6.3	16.9	

0998

		23.666				
97				5.1	18.6	
7+	2.575	21.711	4.530		19.136	
98				6.0	15.7	
99				7.1	14.6	
13' R				11.7	10.0	on slope
45' R				15.2	6.5	Toe of slope
11' L				3.7	18.0	Top of Levee
19' L				2.9	18.8	" " "
36' L				2.3	18.4	" " "
54' L				13.0	8.7	Toe slope
78' L					5.9	Bank
79' L					3.8	water
100	△			6.09	15.22	on Hub
101				5.4	16.3	
102				2.3	18.4	
45' R				15.2	6.5	Toe slope
3' L				2.0	19.3	Top of Levee
8' L				2.5	19.2	" " "
14' L				2.2	18.1	" " "
53' L				14.1	7.6	Toe
72' L					5.8	Bank
73' L					3.8	water
103				5.7	15.8	
104				6.1	15.6	
105				9.0	12.7	
25' R				14.3	7.4	Toe slope
15' L				4.5	17.2	on levee

0999

"M" Line Pre-

			21.711			
22' L				3.1	18.6	on Levee
35' L				4.2	17.5	" "
60' L				13.9	17.8	Toe Levee
79' L					6.3	on Bank
80' L					3.8	water
T.P.	8.720	24.896	6.035		15.676	
105+61				10.72	14.18	on Hub
106				9.2	15.2	
107				8.1	16.3	
108				6.7	15.5	
30' R				14.9	9.5	Toe slope
10' L				5.7	18.7	Top of Levee
40' L				3.2	21.2	" " "
06' L				4.8	19.6	" " "
63' L				15.2	9.2	Toe slope
78' L				16.2	8.2	on Bank
79' L				~~13~~	3.8	water
109				10.3	14.1	
110				7.4	17.0	
111				4.7	19.7	
30' R				10.9	13.5	
50' R				15.3	9.1	Toe slope
1' L				3.0	21.4	Top of Levee
6' L				0.8	23.6	" "
53' L				15.7	8.7	Toe Slope
66' L				17.0	7.4	on Bank
75' L					3.8	water

1001

"M" Line

			24.396				
111+44 △				4.10	20.30	on Nail	
BM. 5			6.460		17.936	on Plug	65' R 112

L	R
25.30	11.24
36.10	44.00
55.00	97.38
44.05	153.02
160.45	
153.02	
7.43	

S15 40 E

1002

"E" Line of Old Location Sta
727+07.6 = "E" Line backed in from
Same Sta to connect with "M" Preliminary Line.

May 27th 1905

732	△ 1432	18.582		17.15	Elev on Hub on Hub
727+07.6	C.C. "E" Line		6.385	17.197	
=727+07.6	Preliminary backed in to meet "M" Line				
727			5.8	12.8	
726			4.7	13.9	
725			3.2	15.4	
TP	10.215	25.097	3.700	14.882	
BM			7.725	17.372	on Stamp 50' R 725. Elev 17.348 Marked 17.248
"	7.725	25.073		17.348	
T.P.	2.785	17.145	10.213	14.860	"L 725 on peg
724			4.2	12.9	10' R to Toe
723			4.1	13.0	15' R to Toe approx
722			3.9	13.2	20' R to Toe
721			4.5	12.6	25' R to Toe
720			4.0	13.1	
719			2.4	13.7	
TP	4.515	18.633	3.027	14.118	Apple Orchard
+85			4.4	14.7	
+45			0.8	17.8	Summer House
718			1.5	17.1	
+70			2.56	16.07	on Hub
+37			4.0	14.6	Fence
717			2.9	17.7	
TP	2.440	14.436	6.607	11.996	Post marked
716			2.6	11.8	

1003

"E" Line Preliminary - backed in

		14.436				
715+60				2.66	11.78	on 4"stub
715				3.5	10.9	
714				4.0	10.4	
+57				4.7	9.7	
+55				6.2	8.2	Ditch
+53				4.7	9.7	
713				3.8	10.6	
712				2.5	11.9	
+63				1.8	12.6	Fence
+60				3.6	10.8	Ditch
BM 1	2.802	15.608	1.630		13.806	on Plug at Fence Post 4' L - 711+63
+57				2.5	11.9	
711				4.1	11.5	
710				4.6	11.0	
709				3.7	11.9	
708				3.8	11.8	
707				3.8	11.8	
706+64				3.82	11.77	x on 4"stub
BM 2	3.530	15.213	3.925		11.683	Nail on Mud sill - S.E. cor of Wind Mill 6' L - 706+70
706				4.1	11.1	
705				3.4	11.8	
704				3.9	11.3	
703				4.5	10.7	
702				4.4	10.8	
701				5.3	9.9	
+30				7.7	7.5	
700				6.6	8.6	

Rear Orchard

x Squash Garden

x Garden & Fruit Trees

1004

"E" Preliminary Line.

		15.213				
T.P.	6610	15.408	6415		8.798	
699				7.5	7.9	marsh land
+35				6.0	9.4	
+32				6.3	7.1	Ditch
+27				3.6	11.8	
+15				6.2	9.2	Bear Cabeza
698				5.8	9.6	
697				4.1	11.3	
696				5.0	10.4	Cultivated land
695				4.9	9.4	
694				6.6	8.8	
693				6.1	9.3	
692				7.2	8.7	
T.P.	5.185	13.473	7.120		8.788	
691				6.9	6.6	
690				7.0	6.5	
+14				6.9	7.5	
+10				7.5	6.0	Ditch
+07.5				4.7	8.8	Fence
689				4.3	9.2	
B.M.3	3.474	13.473	3.472		9.999	Nail on Stamp 100' L 689
688				6.3	7.2	
687				6.4	7.1	
686				6.3	7.2	Cultivated Land
685				5.7	7.8	
T.P.	5.700	13.598	5.575		7.898	
684				4.5	9.1	

1005

"E" Line - Pre

		13.598				
683				6.6	7.0	
682				6.7	6.9	
681				6.3	7.3	
+45				6.5	7.1	Toe of Levee
+40				4.4	9.2	
+15				3.5	10.1	
TP	3.110	16.057	0.051		12.947	
680				1.9	14.2	
+93				0.5	15.6	
+85				0.9	15.2	
+55				8.1	8.0	
+52				12.30	3.76	W.S. canal
+30				20.3	-4.2	Canal
679				16.0	0.1	
+92				12.3	3.8	
+91				6.6	9.5	
+76				4.0	12.1	Top of Levee
+70				5.3	10.8	
+42				6.9	9.2	
+40				12.3	3.8	W.S. of water in Canal
+15				19.3	-3.2	
678				18.2	-2.1	Canal
+84				12.3	3.8	W.S.
+83				9.4	6.7	
+60				7.8	8.3	
TP	9.495	24.447	1.305		14.752	
677+28.5 BM.			6.307	4.0	20.2	Top of Levee on Plug 40' L 677+30 - NT RS
					17.940	

Old Elev 17.940 - 17.926 = .014 Fig

24.247

677+30		6,1	18.1
677		10.4	13.8
+65		12,3	11.9
+42		14,9	9.3
676		16,0	8,2
+40		14,3	9.9
675		15.2	9.0
+65		14.1	10.1
674+39	= M 109+11	10,6	13.6

1007

"E" Location Backed in

B.M.	6.937	24.285		17.348	on Stump 50' R 725
728				13.1	
+97½ C.C.			11.43	12.86	= Point on 1°45' Curve
+67½			12.0	12.3	
+37½			11.6	12.7	
727 +07½			12.1	12.2	
726 +77½			11.6	12.7	
+47½			11.8	12.5	
+17½ B.C. Tan Curb			11.10	13.19	
726			10.8	13.5	
+50			10.2	14.1	
725			9.1	15.2	
+50			10.1	14.2	
TP	2.584	18.214	9.655	14.630	

May 27th 1905

		18.312		
724			5.5	12.7
+50			5.1	13.1
723			5.1	13.1
+50			5.1	13.1
722			5.2	13.0
+50			5.1	13.1
721			5.3	12.9
+50			5.4	12.8
720			5.0	13.2
719+75			5.12	13.09
+50			5.1	13.1
719			4.6	13.6
T.P	16.43	19.833	4.5x2	13.690
+70			4.6	15.2

		19.833		
718+50			2,3	17.5
+40	△		2.19	17.64
718			2.7	17.1
+50			4.6	15.2
+36.5			5.3	14.5
+3	△ on Kink		5.90	13.93
717			7.2	12.6
717	3+25	15.175	7.083	12.750
+50			3.0	12.2
716			3.5	11.7
+55	△ on Hub		3.41	11.77
+50			3.3	11.9
715			4.5	10.1
+50			4.8	10.4

Fence

		15.175			
714			4.8	10.4	
+61			5.5	9.7	
+58			7.0	8.2	Ditch
+56			5.4	9.8	
+50			5.4	9.8	Private Roadway
TP	4.592	15.502	4.265	10.910	
913			4.8	10.7	
+50			2.9	11.6	
712			3.7	11.8	
+63.5			2.2	12.3	Fence
+60			4.8	10.7	Ditch
+57			3.9	11.6	
+50			2.2	12.3	
711			4.1	11.3	
+50			4.3	11.2	
710			4.6	10.9	
+50			4.6	10.9	
709			3.7	11.8	
+98.1			3.67	11.80	
+50			2.5	12.0	
708			3.7	11.8	

June 7th 1905

1011

		15.502			
+50			3,4	12.1	
707			3.7	11.8	
+75			3,8	11.7	
TP	4.052	15.732	3.822	11.680	
+50			4,2	11.5	
BM.*	4.276	15.732	4.276	11.456	on Plug at S.E. Cor of Shed 125' R 706+50
706			4.7	11.0	
+50			4,5	11.2	
705			4.0	11.7	
+50			4,2	11.5	Pvt Roadway
704			4,5	11.2	
+50			5.4	10.3	
TP	3.520	14.377	4.875	10.857	
703			3.7	10.7	
+50			3.7	10.7	
702			3.6	10.8	
+50			4.0	10.4	
701			4.5	9.9	
+50			6.1	8.3	
+40			7.1	7.3	
700			5.8	7.6	
+50			6.8	7.6	
699			7.6	6.8	
+50			5.4	9.0	
+33			5.0	9.4	
+30			7.3	7.1	Inlet
+26			2.9	10.5	Fence

11.96
12.59
2.37
3.43
5.80

11.502
11.680
3,822

1012

		14.377		
+05			5.3	9.1
698			4.8	9.6
+50			4.0	10.4
697			3.4	11.0
+17	1.830	13.717	2.990	11.387
+50			2.7	10.5
696			3.0	10.2
+50			3.8	9.4
695			3.8	9.4
+50			4.2	9.0
694			4.4	8.8
+50			4.3	8.9
693			4.4	9.2
+50			4.5	8.7
692			4.9	8.3
+50			5.6	7.6
691			6.2	7.0
+50			6.3	6.9
690			6.6	6.4
+50			6.4	6.8
+15			5.8	7.4
+12			7.2	6.0
+07.5			4.1	8.7
+05			4.4	8.8
+04.5			3.89	9.33
689			4.1	9 1
+50			6.1	7.1

Dutch Farce
1

1013

		13.217		
688			4,2	7.0
+50			6,8	6,4
687			6.4	6.8
TP.	5.270	12..547	+940	7,277
+50			5.7	6.8
686			5,3	7.2
+50			5,2	7.3
685			5.1	7.4
+50			4,0	8.5
684			3,1	9,4
+50			4,2	8,3
683			5.7	6.8
682+79		= 621+82 =	6.6	5.9

← June 7th 1905

+50

"S" Preliminary Line

Preliminary Line "S" beginning at a point 276.17 feet ahead of P.I. on S.T. of 1° Curve on abandoned Levee - about sta 619 of "E" Located Line to Locate "E" Line - June 9th 1905

T.P.	13335	23.367		10.032	on pcy 3' R sta 619+34 - E" Line					
0			2.9	20.5		L		C		R
1			4.5	18.9						
2			2.2	21.2						
+84			2.34	21.03						
3			2.9	20.5						
+40			7.5	15.9		W.S.				
4 +83			1.6.6 / 4.0	17.4		3.0 / 47			17.2 / 19	.5 / 90 tr
T.P.	7.480	24.644	6.23	17.244						
5			7.0	17.6						
6 +05			2.8	21.8 / 21.7						
7			2.0	21.6						
8			1.0	23.6						
+95			22.5							
T.P.	3837	24.393	4.88	20.556						
9			2.0	22.4		W.S. 3.2 / 39	9.0 / 34	Top 23.0 / 5	8.3 / 32	
10			2.0	22.4						
11 +89			2.0 / 2.0	19.4						
12			5.2	19.2		3.2 / 36	9.0 / 33		20.2 / 32	2.4 / 65
T.P.	4430	23.733	5.090	19.303						
13			3.7	20.0						
14			4.6	19.1						
15			3.4	20.3		3.2 / 55	8.2 / 33		10.2 / 78	0.5 / 46
16			4.8	18.9						
17			4.7	19.0						

1015

"S" Line

		23.733		
18			3.C	20.1
19			2.9	19.8
20			5.3	18.4
TP	6.320	24.123	5930	17.803
21			6.9	17.2
22			4.6	19.5
23			6.2	17.9
24			5.4	18 7
25			4.2	19.9
26			5.6	18.5
27			5.9	18.2
28			5.2	18.9
29			6.0	18.1
TP	2.332	19.836	6620	17.503
30			4.0	15.8
31			5.8	14.0
32			5.1	14.7
33			5.7	14.1
34			6.6	13.2
35			4.7	15.1
TP	3.028	17.488	5380	14.456
36			2.7	14.8
37			2.6	14.5
38			2.8	14.7
39			3.8	13.7
40			0.7	13.8
41			2.6	14.9

N.S. 3.2/33 8.0/32 7.0/55

W.S. 2.2/32 8.6/30 11.4/26 7.4/55

3.2/38 7.5/35 9.4/20 5.3/40

3.2/40 6.0/37 9.2/30 5.7/60

W.S. 3.2/33 4.0/32 6.1/37 3.9/65

"S" Lines

		17.484		
42			2.2	15.3
T.P.	5.915	20.444	2.955	14.529
43			5.5	14.6
44			5.1	14.9
45			4.8	15.6
46			4.8	15.6
47			6.0	14.4
48			8.2	12.0
49			9.1	11.3
50			7.1	13.3
T.P.	3.880	18.824	5.950	14.894
51			2.1	16.7
52 +78			3.5	15.8 / 15.3
53			4.4	14.4
54			5.3	13.5
55			5.2	13.4
56			6.5	12.3
T.P. +46	4.420	17.624	5.573	13.701
57			3.8	14.8
58			4.1	13.5
59 +81			3.7	13.9
60			3.0	14.6
61			7.1	10.5
62			4.2	13.2
63			3.7	14.4
64			3.7	14.2
T.P.	5.613	18.179	5.165	13.016

L C R

3.7 / 34 — 4.3 / 32 — 6.0 / 42

16.5 top of Levee / 3 / 16.3 " " " / 7 / 14.8 " " " / 8 / 16.3

3.7 / 33 — 4.6 / 31 — 15.2 " top / 8 — 8.4 / 34 — 5.6 / 48

14.7 top of Levee / 3 / 15.9 / 3

3.7 / 35 — 14.6 / 3 / 13.8 / 3 — 17.1 / 21 — 4.2 / 55

14.1 / 2

3.2 / 34 — 3.8 / 55

13.0 top / 8

Bench on Levee line

1017

"S" Line

		18.129		
65			3.4	14.7
66			4.2	13.9
67			2.1	16.0
68			2.6	15.5
+69				
TP	3.095	16.029	4.195	13.934
69			0.0	16.0
70			1.6	14.4
71			2.4	13.6
72			3.3	12.7
73			2.9	13.1
74			3.0	13.0
75			1.5	14.5
+71				
76			1.3	14.7
TP	7.028	20.127	2.830	13.199
77			3.4	16.7
+66			3.0	17.1
+96			16.3	3.7
78			16.5	3.7
+25				-1.0
+60				3.7
+90			5.6	14.6
79			6.1	14.1
+30			12.6	7.6
80			10.0	10.2
TP	6.142	15.173	11.196	9.031
81			5.3	9.9
81+14.5 = 17+24.5 Traverse Line			5.7	9.5

L	C	R
W.S. 3.7 / 41'		W.S. 3.8 / 50'
3.7 / 42'		3.8 / 42'
3.7 / 41 — 5.0 / 39	15.1 / 12'	10.2 / 21 — 4.0 / 80'
3.7 / 45	15.0 / 30'	3.8 / 80'
3.2 / 35'	5.7 / 15'	
W.S.		
609		

Ahead →

on Nail 76+58 - old Line = 14.14

1018

"S" Line
and
Preliminary Line "M"

		15.173		
T.P.	5570	14.661	6082	9.091
T.P.	7355	18.601	3411	11.246
T.P.			1454	17.147

T.P. on "E" Location Hub at 732
Elev = 17.15
17.147
0.003 Dif

June 30th 1905

"E" Line Continued as Preliminary Line "M"

703				7.2
B.M. "41	7930	15.333		7.403
+50			8.8	6.5
+95 △			8.14	7.19
+98			7.8	7.5
704			7.9	7.4
+50			7.1	8.2
705			6.9	8.4
+50			7.0	8.3
706			6.9	8.4
+50			7.1	8.2
707			7.3	8.0
+50			8.1	7.2
708			7.3	8.0
+52			7.1	8.2
709			6.9	8.4
T.P. E709+40= N709+40 △	4460	13.021	4772	8.261
			5.00	8.02
710			5.3	7.7
711			5.3	7.7
712			5.6	7.4

Fence

	Tie	Top	
7.2 / 5.3	7.6 / 4.2	13.5 / 5.2	
7.9 / 5.1	7.1 / 4.0	14.3 / 7.4	
7.9 / 5.2	Tie 6.7 / 4.0	Top 14.6 / 5.2	
7.7 / 5.2	8.0 / 4.4	15.0 / 8.5	8.2 / 1

See Page 40

1019

Along base line Station 60'R 656

B.M.	7.5706	
660		
+30	7.1	
+10	4.9	W.S.
661	4.4	
+50	3.6	
662	3.4	
+50	3.4	
663	2.0	
+50	2.9	
664	2.0	
+50	2.3	
665	2.1	
+50	1.9	
666	1.9	
+10	1.8	
+60	3.8	
+75	5.0	
+95	3.7	
667	4.92	
+50	5.4	
+80	10.7	
	15.7	

1020

557+37 ℄ ℄.	16.73
560	12.7
+50	12.8
1	12.3
+50	12.7
2	13.1
+50	14.3
3	16.9
+50 ℄	17.67
4	17.3
BM 3 2	17.607 Alug 50 L 563
+50	16.6
5	16.2
+50	13.2
6	12.1
+14.6 ℄	12.50
+44.6	13.8
+74.6	13.3
7+04.6	13.2
+34.6	15.2
+64.6 ℄ ℄	15.83
8	16.3
+20	18.3
+50	17.2
9	15.0
+50	16.9
570	15.5
+50	16.9

BM. W33 Elev 9.779 - Plug on R - 582+75

571	15.9
+50	16.4
2	15.3
+50	15.0
3	17.0
+40	16.8
+50	18.3
+75	14.9
+91.8	16.09
4+21.8	17.8
+51.8	14.9
+81.8	15.6
5+11.8	15.7
+41.8	18.16
+50	18.1
576	16.6
+50	16.7
577	15.2
+50	13.4
8	13.8
+50	13.1
9	17.9
+50	13.1
580	11.8
+50	13.9
861	13.7
+50	13.0
582	12.5

1022

"M" Line —

along Back Levee

From Page 36

			13.021		
713				4.9	8.1
714				4.7	8.3
715				4.8	8.2
716				5.0	8.0
BM. 44	4.675		12.858	4.838	8.183
717				4.8	8.1
718				5.1	7.8
719				5.2	7.7
720	△			4.90	7.96
721				5.0	7.9
722				5.0	7.9
+95				5.0	7.9
723				5.1	7.8
724				5.0	7.9
TP	4.328		13.643	4.458	8.408
725	△			4.96	7.68
726				5.0	7.6
727				4.9	7.7
728				4.8	7.8
729				4.4	8.2
+40				4.6	8.0
730				4.7	7.9
731				4.3	8.3
TP	3.620		12.460	3.813	8.830
732				4.1	8.4
733				4.3	7.7
+75				6.5	6.0

In Plug 100' R 716

Fence

Fence

1023

		12.460		
734			5.8	6.7
735			4.7	7.8
736			4.6	7.9
737			3.4	9.1
738			4.1	8.4
T.P.	3.535	12.710	3.280	9.180
739			0.2	9.5
740			5.2	7.5
741			5.4	7.3
+40			5.0	7.7
T.P.	5.310	16.100	1.925	10.790
+67			2.0	14.1
+90			8.3	7.8
742			8.6	7.5
+02			8.6	7.5
+10			10.9	5.2
+80			9.2	7.9
743			10.6	5.5
+10			9.9	6.2
+25 }	County Road		3.3	12.8
+65 }			3.4	12.7
+80			10.7	5.4
+90			11.1	5.0
744			9.6	6.5
+35			11.4	4.7
745			10.7	5.4
+30			11.6	4.5

Toe Top Toe
6.6 / 41 — 13.2 / 24 — 7.0 / 2.

Toe Top Top Toe
7.8 / 44 — 5.0 / 32 — 12.0 / 27 — 14.0 / 18 — 7.9 / 7

Toe

Top Top
8.0 / 20 — 14.8 / 12 — 8.3 / 5.

Toe
7.4 / 42 — 5.0 / 35 — 13.0 / 27 — 14.9 / 16 — Toe

Toe of Slope Cross Levee

Toe Top
7.2 / 47 — 7.4 / 35 — 13.3 / 17 — End of N+S Levee

Toe of Levee

Toe of slope of County Road

" " " " " "

1024

		16.100			
B.M. #3	5.500	11.998	9.602	6.498	on Plug 75 L 745 +50 - at Fence
+93			5.9	6.1	Fence
746			6.2	5.8	
747			6.3	5.7	
748			5.0	7.0	
749			4.6	7.4	
750			4.1	7.9	
751			4.0	8.0	
752			3.8	8.2	
T.P.	8.559	17.187	3.370	8.628	
753			9.2	8.0	
754			10.0	7.2	
+60			9.1	8.1	Fence
+70			10.2	6.8	
+75			13.1	4.1	
755			13.5	3.7	
+10			13.1	4.1	Toe Slope Levee
+73			1.9	15.3	
+76 △			1.92	15.26	Top of Levee
+80			1.9	15.3	
756			10.8	10.4	
+30			9.8	7.4	
757			12.6	4.6	
758			13.0	4.2	
T.P.	6.358	10.977	12.462	4.745	
759			6.4	4.6	
760			6.6	4.4	

Toe 6.0 / 72 — Top 15.1 / 37 — 15.2 / 38 — XS 6.0 / 41 — Levee Slope 2.3 / 10 — 3.6 / 19 — 6.7 / 24

1025

		10.977		
761			6.4	4.6
762			6.4	4.6
763			6.2	4.8
764			6.1	4.9
765			5.8	5.2
T.P.	6.220	11.950	5.247	5.730
766			6.7	5.2
767			7.0	4.9
768			6.9	5.0
769			6.7	5.2
+75			6.5	5.4
T.P.	6.235	16.452	1.733	10.717
+95			7.2	14.3
770 △			2.21	14.24
+72			8.2	8.2
+40			9.0	7.4
+55			10.4	6.0
+70			11.2	2.2
771			14.1	2.3
T.P.	8.217	14.839	9.930	6.522
772			11.0	3.8
773			11.4	3.4
774			12.0	2.8
+36			9.8	5.0
+40			11.3	2.5
+50			12.9	1.9
+60			13.2	1.6

Toe Top Toe Borrow Pit
8.0 15.6 15.9 6.2 4.0 8.2
72 31 27 4 16 20

Toe Top Toe Borrow Pit
8.4 15.6 15.4 6.5 3.0 8.0
72 29 26 4 12 22

Toe Top Toe Borrow Pit
8.0 15.1 15.7 6.4 3.6 3.0 8.0
75 29 23 4 8 16 22

Toe of Slope Cross Levee

Top " "
Toe Top
9.2 14.6 " " Cross Levee
82 33

Sweet + Toe of Levee
Private Road way

Top Toe Borrow Pit
7.2 14.1 14.0 7.3 4.0 5.0 6.0
92 57 49 33 15 20 30

Levee

1026

		14.839			
+70			8.8	6.0	
+81			1.8	13.0	
+83 △		Top of levee	1.83	13.01	
+85			1.9	12.9	
775			7.3	7.5	
+10			9.2	5.6	
+20			11.0	3.8	
+40			8.7	6.1	
776			8.6	6.2	
777			6.0	6.8	
778			8.3	6.5	
779			7.9	6.9	
~~7.77~~	5792	13.261	7.27	7.569	
780			6.6	6.8	
781			6.4	7.0	
782			5.7	7.7	
+86			4.2	9.2	Fence
783			4.3	9.1	
784			4.0	9.4	
785			5.8	7.6	
786			5.2	8.2	
~~7.87~~	6573	15.345	4.539	8.822	
787			7.7	7.6	
788			9.0	6.3	
+07			8.4	6.9	
+16			11.8	4.3	
+70			10.1	5.2	

tip
7.6 / 9.1 — 13.6 / 7.0 on Cross Levee

toe of Slope

^ Key Gulch

X

Partee

1027

		15.345			
+50			21	13.2	
+55 △			18.2	13.83	} Top of Cross Lines
+58			2.2	13.1	}
+85			9.8	5.5	
789			10.4	4.9	
790			8.5	6.8	
791			9.3	6.0	
792			9.6	5.7	
B.M.	6572	15.016	6901	8,444	on Plug 300' R 789 NE. Cor of small Bldg
TP	3482	13,456	10402	9.974	
TP	6632	17.406	2682	10.774	
TP	5363	21,286	1483	15.923	Nail in Post E 850 + 30
			10020	11,766	
	302	18.96		15.923	
			14.1	4.9	Elev of water in Sacramento River opp Sta 850

"P" Line Preliminary

Preliminary "P" Line commencing at 1453+50 of "E" Located Line, and following along on County Road to the New Back Levee.

Aug 11th 1905

B.M.	5.005	16.575			11.570
0 = 1453+50 of "E" Line.				3.3	13.3
+50				4.4	12.2
+85				1.8	14.8
1				2.4	14.2
+26				2.7	13.9
2				4.7	11.9
3				5.6	11.0
4				5.0	11.6
T.P.	4.490	15.423	4.642		11.933
5				4.4	11.0
6				4.4	11.0
7				4.9	10.5
8				4.9	10.5
+89				2.9	11.5
T.P.	5.175	16.738	3.860		11.563
9				5.8	10.9
+20				5.6	11.1
+25				4.2	12.4
+50				3.7	13.0
+55				5.5	11.2
+93				4.6	12.1
10				4.9	11.8
+30				6.1	10.6
11				6.5	10.2

L C R

Rock

Rock

Rock

"P"

		16.738		
11+94 △			4.0	10.7
12			6.5	10.2
+15			6.7	10.0
+30			10.0	6.7
13			10.8	5.9
+50			10.6	6.1
14			7.0	9.7
+10			1.7	11.3
+45			5.0	11.7
+51 △			3.7	13.0
+65			4.8	11.9
15			5.1	11.6
16			4.6	12.1
17			4.3	12.4
18			4.5	12.2
19			4.3	12.4
20			4.5	12.2
21			4.5	12.2
22			4.5	12.2
+86 △			4.2	12.5
T.P.	4.335	16.868	4.270	12.598
23			4.2	12.7
24			4.7	12.2
25			4.4	12.5
+15 △			4.2	12.5
26			4.6	12.3
27 △			5.1	11.8

	L	C	R
			15' Road 8'
	W		Tar
	W1 1.5 6.0 6.9	11.8 Road 11.3	5.9 5.0
	61 60 70	36 15	59 50
		24 Road 9'	
			8' Road 16'
	Tar		Tar
	W1 1.5 4.0	5.0 12.2 Road 11.8	6.7
	42 40	32 14 6	19
			12' Road 7'
			15' Road 5'
			12' Road 7'
	Tar		Tar
	W1 1.5 4.0	5.7 14.5 Road 12' 7	6.2
	32 30.	27 11	27
			8' Road 10'
			7' Road 12'
			5' Road 13'
			11' Road 6'
		Tar	Tar
	W1 1.5	13.9 Road 13.0 7	4.9
	30'	9	38
			9' Road 11'
			8' Road 10'
			6' Road 12'
			15' Road 8'

1030

"P"

		16.863		
28			5.1	11.8
+84 △			4.9	12.0
29			4.9	12.0
30			4.8	12.0
+35 △			4.8	12.1
TP	6.720	18.323	4.760	12.103
+50			12.0	6.3
31			13.4	4.9
+50			9.2	9.1
32			7.0	20.2
+09 △			3.0	21.3
33			5.0	13.3
34			4.5	13.8
35			5.2	13.1
36			3.4	14.9
37			4.4	13.9
TP	4.135	18.568	3.890	14.433
38			4.7	13.9
+36 △			4.9	13.7
39			4.7	13.4
40			3.8	14.8
41			3.1	14.5
42			2.6	16.0
43			3.1	14.5
44			2.9	14.7
+56 △			2.7	15.9
TP	4.80	20.900	2.748	15.8 20

L C R

Beginning of New Levee.

"P"

					L	C	R
		20.700					
45			4.1	16.6	Top -0.9 16.5 50. 8.	15.0 1.8 9 57	Top
46			4.8	15.9			
47			4.6	16.1	Top -0.8 14.1 60. 18	10.7 1.8 30. 52.	
48			4.8	16.9			
49			2.5	18.2			
50			6.4	14.3	Top 0.0 4.1 14.9 60. 52. 10.	13.1 1.8 17. 51.	Top
51	△		4.9	15.8			
52			4.6	16.1			
53			4.9	15.8			
	3.503	19.643	4.376	16.140			
54+38	△		3.3	16.3			
55			3.2	16.4	Top -0.7 7.1 15.7 54 26 6.	10.0 1.8 3 46.	Top
56	△		1.8	17.8			
57			4.0	15.6			
58			2.2	17.4			
+78	△		2.4	17.2			
59			3.2	16.4	Top 0.4 6.0 18.0 55. 37. 9.	16.1 1.8 7. 57.	Top
60			1.7	17.7			
61			3.7	15.9			
62			3.5	16.1			
	2.353	18.826	3.170	16.473			
63			2.0	15.8			
64			3.5	15.3	Top -0.8 3.7 13.9 55 50 30. 13.	13.0 1.8 13. 61	Top
65			2.4	15.4			
66			2.4	16.4	Top -0.7	16.1 1.8 10 63	
67			5.0	13.8.	43		
68	△		2.0	16.8			

1032

"P"

		18.836		
69			2.0	16.8
TP	3.733	20.919	1.640	17.186
+83			2.6	18.3
70			2.0	18.9
71			2.3	18.6
72			2.9	18.0
73			4.2	16.7
74			7.6	13.3
75			2.9	18.0
76			3.0	17.9
77			3.1	17.4
78			4.4	16.5
TP	4.540	21.419	4.040	16.879
79			3.6	17.8
80			4.0	17.4
+54			2.8	18.6
81			3.9	17.5
82			7.5	13.9
83			4.7	16.7
84			3.8	17.6
85			4.7	16.7
86			5.7	15.7
87			5.2	16.2
88			2.0	18.4
TP	4.685	23.044	3.060	19.359
89			6.7	16.3
90			5.1	17.9

Rest

1033

		23.044		
91			2.9	20.1
92			5.2	17.6
93			6.0	17.0
+20			12.6	10.4
94			6.0	17.0
+65 △			3.0	20.0
95			3.1	19.9
96			6.9	16.1
97			5.5	17.5
98			7.0	16.0
99			4.4	18.6
T.P.	3.305	22.271	4.78	18.966
100			4.4	17.9
101			6.5	15.8
102			7.6	15.7
103			5.3	17.0
103 +57 △			4.8	17.5
104			4.0	18.3
105			3.9	18.4
106			6.0	16.3
+81 △			3.9	18.4
T.P.	3.816	22.218	3.873	18.398
107			4.0	18.2
+77			5.3	16.9
108			4.7	17.5
109			4.8	17.4
+69 △			3.6	19.6

L	C	R
Tr 1.7 44	20.3 5	Tr 10.7 23 1.8 M.S. 67 Tr 18.7 10
	Tr 19.3 12	
	Tr 19.8 8	
Tr 0.9 34	19.4 6	Tr 20 51 1.8 M.S. 68 Tr 19.2 10
		Tr 19.6 12
Tr 1.0 35	18.0 4	Tr 19.4 9 1.8 69
Tr 1.5 34	10.0 10	Tr 17.1 17.6 7.6 52 1.3 M.S. 76 20.2 10

1034

"P"

		22.314		
110			2.5	19.7
111			3.8	18.4
112			6.4	15.8
T.P.	2.963	19.035	6.142	16.072
113			0.4	18.6
+25 Δ			2.7	16.3
114			3.9	15.1
115			4.1	14.9
116			4.0	15.0
117			2.3	16.7
118			2.2	16.8
T.P.	9.850	25.491	7.794	17.641
+78 Δ			7.6	17.9
119			8.5	17.0
120			5.5	20.0
121			4.1	21.4
+71 Δ			2.7	22.1
122			5.7	19.8
123			6.3	19.2
124			8.5	17.0
125			7.6	17.9
T.P.	5.302	28.676	7.018	18.473
126			3.2	20.5
127			5.4	18.3
128			4.1	19.6
+53 Δ			4.3	19.4
129			1.0	27.7

L C R

Levee Low Side — Now Better Raised

1035

"P"

		23.676		
130			3.1	21.6
TP	1.420	23.426	1.670	22.006
+88			2.9	20.5
131			3.2	20.2
132			1.2	22.2
+48			2.0	20.4
133			4.4	19.0
+86			3.8	19.6
134			2.3	21.1
135			4.1	19.3
136			4.7	18.7
137			5.8	17.6
TP	4.843	23.979	5.290	18.136
138			4.3	18.7
139			3.4	19.6
140			4.8	18.2
141			2.4	20.6
142			2.8	20.2
+75			1.7	21.3
143			1.6	21.4
144			2.7	20.3
TP	0.475	21.419	2.035	20.944
145			0.4	21.0
146			2.0	19.4
147			2.2	19.2
+65			2.0	19.4
148			2.6	18.8

L C R

Level along line to Sta 148+00

1036

"P"

		21.419		
+50			6.2	15.2
149			5.2	16.0
+34		= 0 of X Line	1.9	19.5
TP	4938	19.107	4240	17.179
+65			8.5	10.6
+75			3.6	15.5
150			3.2	15.9
151			4.5	14.6
152			4.4	14.7
153			4.2	14.9
154			4.2	14.9
155			4.1	14.6
TP	5895	20.612	4390	14.717
156			4.9	15.7
157			5.3	15.3
158			4.6	16.0
158+53		= 1396+62 "E" Line	4.4	16.2
BM.			7.302	13.310

L C R

Top 21.7 15.

Beginning of old Levee

Built by Teams + scrapers

Top of old Levee.

Top 6.8 16.		14.4 6.	14.1 5.	Top 4.8 24
Top 6.0 15		14.4 4	14.0 4	Top 4.0 25

- 2.2
25

Old Elev = 13.339
13.310
.029
Dif

1037

"X" Line Preliminary

Locating Lock + Levesson Levee.

			Aug 12 P. 1905	
T.P.	4.105	71.284		17.179
0 = 149+34 of "P" Line.				19.5
+45			11.2	10.1
1			14.2	17.1
+50			11.8	19.5
2			10.5	20.8
3			4.8	16.5
+44			6.0	15.3
4			6.1	15.2
5			6.8	14.5
6			7.2	14.1
7			7.1	14.2
T.P.	4.645	19.089	6860	14.424
+16.8	Fence		4.9	14.2
8			5.0	14.1
9			4.6	14.5
+32			4.2	14.9
10			4.1	15.0
+21			4.3	14.8
11			3.7	15.4
12			4.4	14.7
13			4.2	14.9
14			3.6	15.5
15			4.7	14.4
T.P.	3.4008	18.477	4317	14.877
16			3.6	14.7
17			4.4	13.9

Levee Built by Teams with scrapers

old Levee crossed by this from Bridge

High ground Mile

L C R

Top 2.7 34.0 | 18.0 25.0 | 18.4 19.9 | 18.8 11.0 | 16.2 5.0

Sur 3.9 34. | 14.8 S | 14.5 7 | Sur 2.8 31

Sur 10.0 12. | 14.0 S | 14.1 S | Sur 8.5 31

Sur 8.0 10 | 14.0 S | Sur 7.6 25

Sur 8.8 29 | 14.6 4. | Sur 6.7 21.

1038

"X" Line.

		18.277		
18			4.4	13.9
19			4.5	13.8
20			4.2	14.1
+78			4.8	13.5
21			4.1	14.2
TP	8.140	28.280	11.42	17.135
+87	Fence		5.0	20.3
22			4.0	21.3
+10			3.6	22.7
+25			3.2	23.1
+50			3.0	23.3
23			6.1	19.2
24			8.5	16.8
25			11.0	14.3
26			12.6	12.7
+81	Fence		11.8	13.5
27			11.9	13.4
28			12.9	12.4
+83			12.6	12.7
29			11.0	14.3
30			9.1	16.2
TP	2.145	19.473	9.02	16.328
31			3.3	16.2
32			4.2	15.3
33			5.8	13.7
34			5.6	13.9
35			4.9	14.6

L C R

End of Levee

Dairy FARM

High Ground Here.

1039

"X" Line

		19.473		
36			4.9	14.6
+81 △			4.2	15.3
37			4.3	15.2
38			4.3	15.2
39			3.3	16.2
40			4.1	15.4
41			4.7	14.8
42 △			4.2	15.3
43			3.9	15.6
T.P.	4.960	20.638	3.795	15.678
+70 △			5.1	15.5
44			5.2	15.4
45			4.1	16.2
46			3.7	16.9
47			3.6	17.0
+56 △			3.9	16.7
48			4.1	16.5
49			4.8	15.8
50			4.5	16.1
51			3.7	16.9
52			5.7	14.9
53			4.7	15.9
+96 △			4.6	16.0
T.P.	2.840	19.868	3.610	17.028
54			3.8	16.1
55			4.8	15.1
56			4.7	15.2

L C R

Beginning of Levee

8.8	14.8	15.0	10.4
21.	5.	4.	20.

32	14.3	16.4	33
26	1	0	41.

Cross Levee of Reclamation Dist No 551

Intersection of Pierson District Levee.

Running West on Pierson Levee

1040

"X" Line

					L		C		R		
			19.868								
57				4.0	15.9						
58				4.2	15.7						
59				4.0	15.9						
60	△			4.0	15.9						
T.P.	5.010		20.683	4.995	15.673						
61				4.5	16.2						
62				4.7	16.0						
63				5.3	15.4						
64				4.3	16.4						
65				4.8	15.9						
66				4.7	16.0						
+88	△			3.9	16.8						
67				3.9	16.9						
68				4.0	16.7						
69				4.9	15.8						
70				4.7	16.0						
71				4.6	16.1						
72	△			3.7	17.0						
T.P.	2.790		20.248	3.635	17.048						
73				4.4	15.8						
74				4.3	15.9						
75				4.0	16.2						
76	△			4.7	15.5						
77				5.3	14.9						
+34	△			4.9	15.4						
T.P.	4.485		20.018	4.710	15.533						

1041

"X" Line.

		00.018		
78			4.6	15.4
79			4.6	15.4
80			3.8	16.2
81			4.4	15.6
+75 △			6.0	14.0
82			5.9	14.1
83			5.0	15.0
84			4.2	15.8
85			4.2	15.8
T.P.	7.480	24.626	2.172	17.146
T.P.			5.242	19.384
+26.3	= 1356+08.2 "E" Line		8.7	15.9

L	C		R	
	for			Cu
	4.6	12.4	14.0	5.0
1	2.8	6	6	24.

19.421
.017
19.404

old T.P. = 19.404
19.384
0.020
Wf

"T" Line - Preliminary -

Near Courtland

L C R

Preliminary Line "T" beginning at Sta 852+46 on the "E" Line and running along the County Road - on East side of Randall Island - South towards Courtland - (Numbers Continued) Oct 25th 1905

T.P.	7.966	20.361		12.395
852+46			3.6	16.8
853			5.4	15.0
854			5.9	14.5
855			6.0	14.4
856			5.5	14.9
+70			4.8	15.6
+85			3.6	16.8
857			3.3	17.1
858			2.9	17.5
T.P.	2.435	19.835	2.961	17.400
859			2.5	17.3
+20			2.7	17.1
+40			5.6	14.2
860			5.1	14.7
861			6.7	13.1
862			7.3	12.5
863			7.0	12.8
864			6.6	13.2
865			6.9	12.9
866			7.5	12.3
T.P.	7.082	19.459	7.458	12.377
867			7.2	12.3
868			6.9	12.6
+94			6.2	13.3
869			4.5	15.0

along the

on Nat 851+06

Toe Top Top Toe
12.3 17.5 15.6 14.9 10.4
50. 26.5 19. 1.0 17.0

Toe Top Top Toe
14.0 14.1 15.1 14.7 10.0
40.0 13.0 7.0 11.5 21.0

Top Top Top Toe
12.0 12.0 17.5 17.1 15.1 14.1 9.8
50. 19.0 8.0 7.0 18.5 29.5

Top Top Top Toe
17.4 13.8 17.3 17.6 15.2 14.3 6.7
50. 11.0 3.0 7.0 11.0 24.0 32.5

on Nat

Toe Top Top Toe
13.0 13.0 17.3 16.8 14.2 14.5 6.0
50. 13.5 3.5 6.0 11.0 24.0 37.0

Top Toe
12.6 13.0 17.3 17.2 15.6 14.7 6.0
50. 4.0 .5 14.0 19.0 32.0 45.5

Top Toe
12.5 13.5 17.0 17.0 15.1 14.3 6.0
50. 8.0 16. 21.0 33. 52.

Top Toe
13.0 13.2 17.1 17.0 14.7 14.7 6.0
50. 8.0 17.0 21.0 33. 53.

Top Toe
12.3 17.6 17.0 16.7 15.2 14.5 6.0
50. 6.0 12.0 24.0 37.0 38. 55.

Toe Top
17.4 7.0
12.5 12.6 14.5 16.3 15.2 14.4 6.0
50. 7.0 14.0 19.0 32.0 46.0

Road west

Toe

1043

"T" Line. Preliminary

					L	C	R
		19.459					
869+10 △			5.7	14.3			
+15			6.2	13.8			
870			6.8	12.7			
871 △			4.9	17.6			
872			6.8	17.7			
873			6.8	17.7			
T.P.	3.770	19.707	4022	15.437			
874			7.4	11.8			
875 △			7.3	11.9			
876			6.4	12.8			
877			6.4	12.8			
+50 △			6.5	12.7			
878			6.6	12.6			
879			6.7	12.5			
880			6.7	12.5			
+50 △			6.7	12.5			
881			6.7	12.5			
+50			6.6	12.6			
+57			4.6	14.6			
BM	6.830	20.604	.5433	13.774	Road way on plug 30' R 881+87		
+60			6.0	14.6			
+63			5.1	15.5			
+87 △			5.2	15.2			
+85	Fence		5.1	15.5			
882			5.4	15.2			
883			6.1	14.5			
+50			6.7	12.9			

1044

"T" Line Preliminary

					L	C	R
		20 604					
884			8.1	12.5			
+15			5.0	15.6			
+23 Δ	Lawn		4.8	15.8			
+80			4.8	15.8			
+90			8.4	12.2			
885			8.3	12.3			
+40 Δ			8.6	12.0			
+50	Roadway		5.6	15.0			
+60			5.7	14.9			
+68			8.4	12.2			
886	Level long mark, iron shoulder to shoulder		8.4	12.2	12.7 50.0	Top 12.3 3.0 / Top 17.1 11.0 / Top 17.0 32.0 / Toe 10.4 41.0	
887			8.5	12.1			
T.P.	5.738	22.877 227	3.455	17.149			
888 Δ			10.6	12.3	12.3 40.0	Toe 12.5 5.0 / Top 17.2 14.0 / Top 17.2 39.0 / Toe 10.3 41.0	
889			11.0	11.9		Toe 11.9 4.0 / Top 17.3 13.0	
+80 Δ			11.0	11.9			
890			10.7	12.2		Toe 12.3 9.0 / Top 17.1 15.0 / Top 16.9 30.0 / Toe 10.7 40.0	
891			11.1	11.8		Toe 11.2 2.5 / Top 17.2 9.0	
892			11.4	11.5	11.5 50.	Toe 11.5 Top 18.0 11.0 / Top 18.3 28.0 / Toe 14.3 38.0	
+60 Δ			12.1	10.8		Toe 10.8 Top 18.2 15.0 / Toe 10.4 Top 18.3 15.0	
893			12.5	10.4		Toe 11.6 6.0 / Top 18.2 16.0 / Top 18.4 29.0 / Toe 10.2 42.0	
894			11.5	11.4	11.6 40.0		
895			11.2	11.7		Toe 11.9 3.0 / Top 18.0 14.0 / Top 18.0 30.0 / Toe 10.2 41.0	
896			11.0	11.9	11.9 40.0		
T.P.	1.820	22.005	2.702	20.175			
897			10.0	11.4		Toe 11.4 3.0 / Top 18.7 14.0 / Top 18.6 38.0 / Toe 10.8 41.0	
898			10.8	11.2	11.2 40.0		

"T" Line - Pre

					L	C	R
			22.005				
898+25	△			10.4	11.6		
899				10.8	11.2		
900				10.7	11.3		
901				10.5	11.5		
902				10.2	11.8		
903				10.3	11.7		
904				10.6	11.4		
905				10.8	11.2		
T.P.		467	21.980	4697	17.308		
906				10.3	11.7		
907				10.1	11.9		
+24				9.5	12.5		
+32	△	Rock wall		Lep	16.0		
+40				6.1	15.9		
+45				9.2	12.8		
908				9.7	12.3		
+50				9.1	12.9		
+90.6		Pier a Drich					
909				8.4	13.6		
910				10.5	11.5		
+20	△			10.6	11.4		
911				10.7	11.3		
T.P.		.2721	20.056	5425	16.330		
912				8.9	11.2		
913	△	Road way		8.4	11.7		
914				8.9	11.2		
915				8.7	11.9		
916				8.4	11.7		

L	C	R
	Toe 11.2 / Top 18.6	
11.2 / 40.0	5.0 / 16.0	
	Toe 11.4 / Top 17.8	Top 17.3 / Toe 10.3
11.4 / 40.0	5.0 / 14.0	24.0 / 40.0
	Toe 11.8 / Top 16.2	17.4 / 10.3
11.6 / 40.0	4.0 / 14.3	30.6 / 39.5
	Toe 11.5 / Top 17.4	17.0 / Toe 10.4
11.4 / 25.0	4.0 / 13.0	30.0 / 38.0
	Toe 11.9 / Top 17.7	17.6 / 10.4
11.9 / 24.0	3.0 / 11.0	29.6 / 39.0
	Toe 12.3 / Top 18.6	18.5
12.3 / 40.	11.2	27.0
	Toe 11.7 / Top 19.2	17.9
11.5 / 25.	8.0	24.0
	Toe 11.5 / Top 15.3	15.3 / Edge Road 17.2
11.2 / 25.0	4.2	11.0 / 31.0 / 38.0
	Toe 11.6 / Top 17.2	17.2 / Road 17.0
11.2 / 25.	8.0	16.1 / 19.6 / 25.0
	Toe 11.7 / Top 15.4	15.4 / Edge Road 12.6
11.5 / 20.0	6.0	17.1 / 19.3 / 23.0

1046

"T" Line

		20.056		
917			8.5	11.6
918			8.4	11.7
T.P.	4.770	19.991	4.835	15.221
919			8.8	11.2
+50			7.7	12.3
920			6.0	14.0
+20			3.4	16.6
921			2.2	17.8
+80 △			2.8	17.2
922			3.2	17.4
923			2.6	17.4
924			2.5	17.5
925			2.2	17.8
926			2.0	18.0
T.P.	3.967	22.743	1.215	18.776
927			3.7	19.0
928			3.4	19.3
+45 △			2.5	19.2
+65	Road way		7.2	15.5
929			7.8	14.9
+70			9.0	13.7
930 △			6.2	16.5
931			7.1	15.6
932			6.2	16.5
+80 △			4.4	18.3
T.P.	1.937	20.778	4.407	18.341
933			4.9	15.4

Top of Levee

L	C	R
	Toe 11.8 / 6.0	Top 15.2 / 15.0	Top 15.2 / 17.5	Road 12.7 / 21.0
11.7 / 25.0				
offset in Levee - Left				
	Toe 11.2 / 50.0	Toe 11.5 / 5.0	Top 15.3 / 4.7	Top 15.3 / 7.1	Road 12.5 / 15.0
	Toe 10.8 / 14.0	Toe 17.0 / 2.0	Top 17.5 / 7.0	Road 12.7 / 17.0
10.6 / 40.0				
	Toe 10.7 / 17.0	Toe 17.2 / 6.5	Top 17.3 / 2.2	Road 12.2 / 11.2
10.4 / 40.0				
	Toe 12.1 / 20.0	Toe 17.7 / 6.5	Top 17.9 / 2.1	Road 12.3 / 13.7
11.0 / 50.0				
	Toe 12.0 / 20.5	Toe 19.2 / 1.0	Top 19.0 / 5.1	Road 12.4 / 19.5
offset in Levee Right				
	Toe 12.1 / 8.0	Toe 19.9 / 7.2	Top 18.7 / 16.1	Road 12.7 / 26.1
	Toe 11.0 / 8.0	Toe 18.7 / 5.0	Top 18.6 / 17.5	Road 12.7 / 35.6

1047

"T" Line

		20.278		
934			6.4	13.9
+50			4.3	16.0
+80			3.0	17.3
935			3.6	16.7
+20			5.1	15.2
936			4.9	15.4
937			5.0	15.3
938			4.9	15.4
939			5.0	15.3
940			5.3	15.0
941			4.8	15.5
+70			4.9	15.4
942			5.2	15.1
943			4.7	15.6
944			5.5	14.8
T.P.	4.570	20.368	4.780	15.498
+20		Roadway	5.5	14.9
+25			6.2	14.2
+30			6.4	14.0
+35			5.3	15.1
945			5.5	14.9
+85			6.1	14.3
946			5.2	15.2
947			4.7	15.7
948			5.4	15.0
+46			6.3	14.1
+60			8.4	17.0

63

L C R

	Toe	Top		
11.4	15.7	15.6	12.8	12.6
36.7	22.0	13.1	5.0	30.0
	Toe	Top		Road
12.7	13.4	15.3	15.2	12.0
20.	13.6	2.1	6.2	11.3
	Toe	Top		Road
	12.7	15.3	15.4	13.2
	12.2	4.2	3.5	7.0
	Toe	Top		Road
	12.6	14.5	14.8	13.3
	12.1	4.1	4.2	7.6
	Toe	Top		Road
	11.6	15.0	14.9	13.8
	14.6	5.3	2.2	7.1
	Toe	Top		Road
	12.1	14.9	14.4	13.3
	13.5	6.1	3.7	4.2
	Toe	Top		Road
	11.4	15.3	14.8	13.4
	29.5	20.2	6.9	9.2
	Toe	Top		Road
	12.8	14.6	15.4	14.2
	25.0	12.8	11.0	13.5

1048

"T" Line

					L	C	R
		20.368					
949			8.2	12.2'			toe
950			8.4	12.0'		12.0	12.4
951			8.4	12.0'		50.9	79.0
T.P.	7.335	19.198	8.505	11.863			
952			6.6	12.6'			67' to toe
953			7.0	12.2'			
+33			6.6	12.6'			
+68.5			3.3	15.9'	= 1001+29.2 E. Line EC.		
T.P.	12.960	24.823	7.335	11.863			
T.P.	10.216	22.343	12.716	12.107			
B.M.			2.793	19.530	Check on old "E" B.M. S 31 on large Tree at Elliott's Place 40' R sta E 995 Elev = 19.483		
					Check Diff = .047		

1049

Apr 9/07

X Secs: of River Levee from Beach's to North Arm of Sq.

District 744.

Sta.	H.W.	Rod.	Elev.
B.M.	9.905	26.787	16.882
T.P.	4.640	26.732	4.695	22.092
X Sec: of Levee 185' South of Sth line between Mr. Nellie Baumgartel & Florence Baumgartel			
X Sec: 120' South of line bet: Flor: Baumgartel & Leimbach			
T.P.	4.890	27.567	4.055	22.677
X Sec: 38' North of line between Lombach & Frick			
T.P.	5.260	27.272	5.555	22.012
X Sec: 58' North of Line bet: H.C. Frick & McLathlan			
T.P.	3.810	26.802	4.280	22.992
X Sec: 88' S of Line bet A. Damon & Damon Estate			
X Sec: 35' N of Line between Damon & Caldaria.			
T.P.	3.460	22.732	7.530	19.272	
			8.5	14.2
T.P.	7.050	25.222	4.560	18.172
T.P.	4.590	25.872	3.890	21.332

on U.S.G.S. B.M in Beach's Yard.

	Road			S.W.
	13.0	21.7	21.7	14.3
Toe		23.	34.	47.

	Road				S.W.
Toe 13.9	21.7	21.8	16.5		14.3
	23.	34	44.5		62.

	Road				S.W.
Toe 14.1	22.3	22.8	17.6		14.3
	16	30.	43.		48.

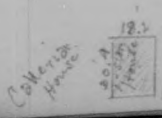
	Road				S.W.
Toe 14.2	19.9	22.4	22.7	21.3	14.3
	19.	21.5	33.	34.	59.

	Road			S.W.
Toe 14.4	22.5	22.6		14.2
	20.	32		54.

	Road			
Toe 15.1	21.8	22.0	17.7	14.2
	18.	30.5	42.	57.

El: 23.0 on Levee opp N end of Caldaria House
" 22.8 " " " S " " " "
" 24.0 " " " N° Arm of Dist 744

El: Lowest place N° Arm Levee.



1050

X Secs at S/2. 506 & 508

apr 9/07

S/2.		H.I.	Rod	Elev.	E.	C.	R
		25.872					
T.P.	7.580	27.212	6.240	19.632			
T.P.	3.457	23.539	7.130	20.082			
506							
508							
		17.8					
511			2.0	15.8			
+50			1.6	16.2			
512			1.0	16.8			
+50			1.4	16.4			
513			0.8	17.0			

	Str.	Wash									Top
506	8.9	11.9	14.6	15.9	19.0	17.6	14.4	13.7	11.6	10.8	7.3	4.9
	68.	55.	41	40	31.5	14.5		5.	10.	12.	20.	29.5

	Str.	Wash									Top
508	8.9	11.0	14.5	16.1	19.3	20.5	18.6	16.1	13.1	10.0	7.1	6.5	5.2
	76.5.	58.	43	43	31.5	21.	11.		10.5	14.5	28.5	37.	39.5

1051

Elevations of Levees

back of Wm Johnstons Place

Assumed Water Elev = 3.50

June - 7th 1905

	13.0	16.50		3.50	
0			13.0	3.5	
+83			8.1	8.4	toe Slope of Levee
+97			2.7	13.8	edge of Top
1+02			2.1	14.4	Top "
+06			2.6	13.9	
+30			5.3	8.2	
+38			5.7	7.8	
+45			11.1	5.4	
+80			11.1	5.4	
+89			9.4	7.1	
2			10.8	5.7	
+18			10.8	5.7	toe of Slope
+50			2.1	13.4	Top Levee
+66			8.2	8.3	toe of Slope
+81			10.8	5.7	in Narrows Cut
+94			9.0	7.5	
3			8.8	7.7	
+50			9.2	7.5	

1052